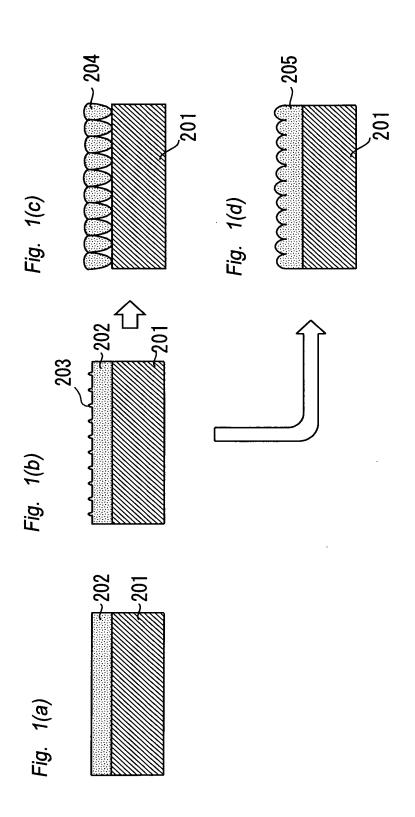
APPLN. FILING DATE: AUGUST 25, 2003 TITLE: SEMICONDUCTOR DEVICE HAVING A ROUGHENED SURFACE ELECTRODE AND METHOD OF

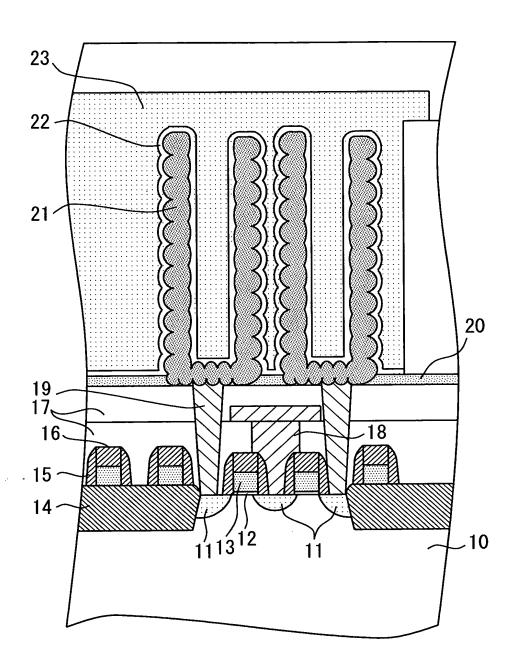
MANUFACTURING THE SAME Inventor(s): Masatoshi ANMA Attorney Docket No: 026905-031

SHEET 1 of 9



APPLN. FILING DATE: AUGUST 25, 2003
TITLE: SEMICONDUCTOR DEVICE HAVING A
ROUGHENED SURFACE ELECTRODE AND METHOD OF
MANUFACTURING THE SAME
INVENTOR(S): MASATOSHI ANMA
ATTORNEY DOCKET NO: 026905-031
SHEET 2 of 9

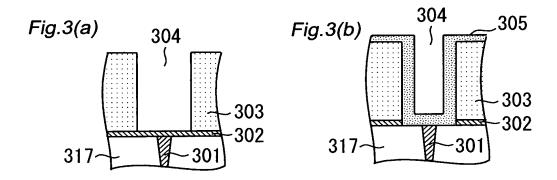
Fig. 2

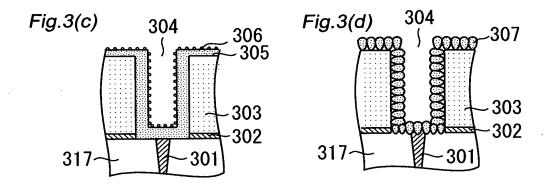


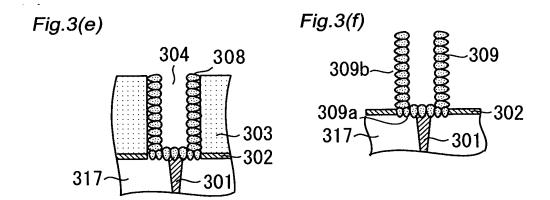
APPLN. FILING DATE: AUGUST 25, 2003
TITLE: SEMICONDUCTOR DEVICE HAVING A
ROUGHENED SURFACE ELECTRODE AND METHOD OF

MANUFACTURING THE SAME INVENTOR(S): MASATOSHI ANMA ATTORNEY DOCKET NO: 026905-031

SHEET 3 of 9





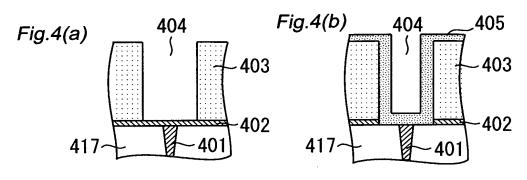


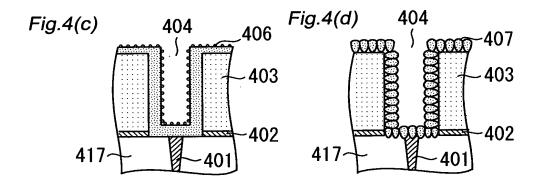
APPLN. FILING DATE: AUGUST 25, 2003

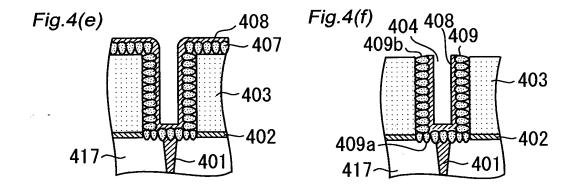
TITLE: SEMICONDUCTOR DEVICE HAVING A ROUGHENED SURFACE ELECTRODE AND METHOD OF

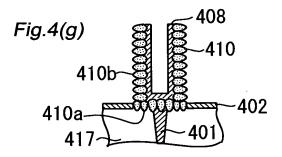
MANUFACTURING THE SAME INVENTOR(S): MASATOSHI ANMA ATTORNEY DOCKET NO: 026905-031

SHEET 4 of 9









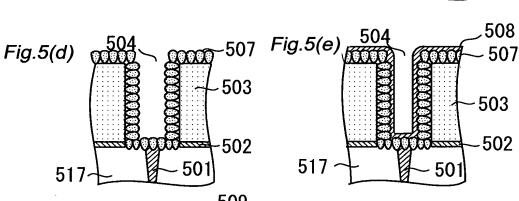
APPLN. FILING DATE: AUGUST 25, 2003 TITLE: SEMICONDUCTOR DEVICE HAVING A ROUGHENED SURFACE ELECTRODE AND METHOD OF MANUFACTURING THE SAME INVENTOR(S): MASATOSHI ANMA **ATTORNEY DOCKET NO: 026905-031** SHEET 5 of 9 504 503 502 501 505 <u>5</u>04 506 Fig.5(c) 503 503 502 502 501 501 517

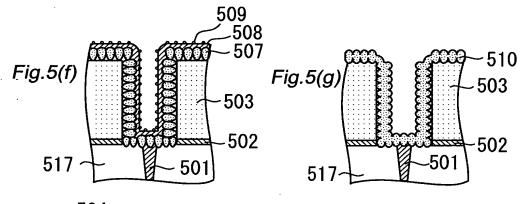
Fig.5(a)

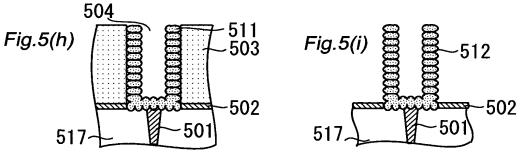
Fig.5(b)

517

517







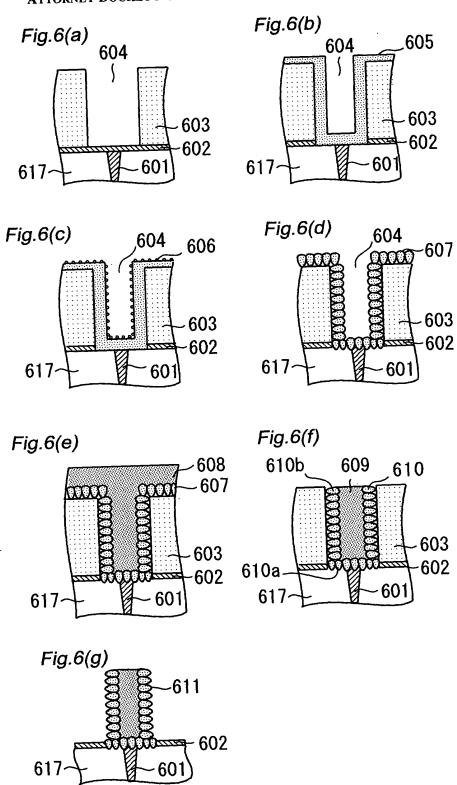
APPLN. FILING DATE: AUGUST 25, 2003

TITLE: SEMICONDUCTOR DEVICE HAVING A

ROUGHENED SURFACE ELECTRODE AND METHOD OF

MANUFACTURING THE SAME INVENTOR(S): MASATOSHI ANMA ATTORNEY DOCKET NO: 026905-031

SHEET 6 of 9

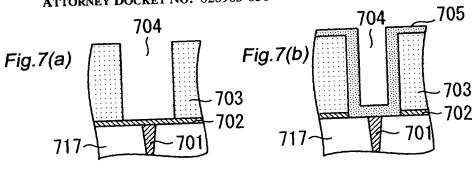


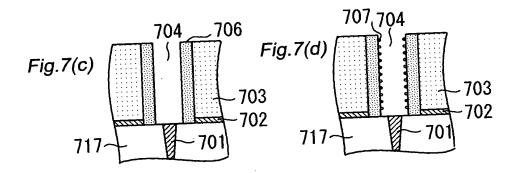
APPLN. FILING DATE: AUGUST 25, 2003

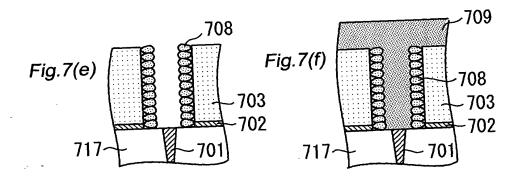
TITLE: SEMICONDUCTOR DEVICE HAVING A ROUGHENED SURFACE ELECTRODE AND METHOD OF

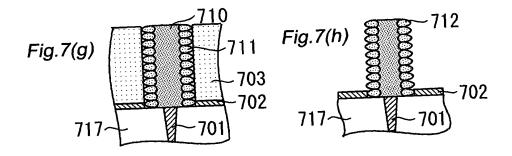
MANUFACTURING THE SAME Inventor(s): Masatoshi ANMA ATTORNEY DOCKET NO: 026905-031

SHEET 7 of 9







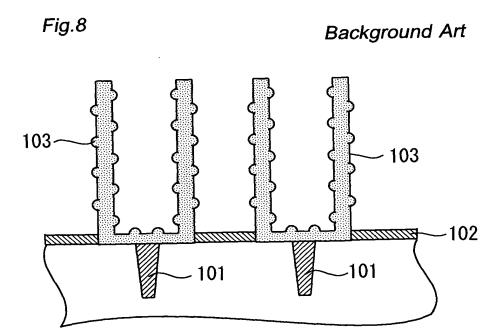


APPLN. FILING DATE: AUGUST 25, 2003
TITLE: SEMICONDUCTOR DEVICE HAVING A

ROUGHENED SURFACE ELECTRODE AND METHOD OF MANUFACTURING THE SAME

MANUFACTURING THE SAME INVENTOR(S): MASATOSHI ANMA ATTORNEY DOCKET NO: 026905-031

SHEET 8 of 9



APPLN. FILING DATE: AUGUST 25, 2003 TITLE: SEMICONDUCTOR DEVICE HAVING A

ROUGHENED SURFACE ELECTRODE AND METHOD OF

MANUFACTURING THE SAME INVENTOR(S): MASATOSHI ANMA ATTORNEY DOCKET NO: 026905-031

SHEET 9 of 9

Background Art

